Specification





# Head for pilot light, Harmony XB4, orange, 22mm, with grooved lens, universal LED

ZB4BV053S

Product availability: Stock - Normally stocked in distribution facility

Important message: A change in appearance may be noted on the product but does not affect its use in terms of function and safety. This makes it compatible with our Universal LED blocks

Price\*: 7.60 USD

#### Main

| Range Of Product                | Harmony XB4                       |  |
|---------------------------------|-----------------------------------|--|
| Product Or Component Type       | Head for pilot light              |  |
| Product Compatibility           | Universal LED                     |  |
| Device Short Name               | ZB4                               |  |
| Bezel Material                  | Chromium plated metal             |  |
| Mounting Diamete                | 0.87 in (22 mm)                   |  |
| Sale Per Indivisible Quantity   | 1                                 |  |
| Head Type                       | Standard                          |  |
| Shape Of Signaling Unit Head    | Round                             |  |
| Cap/Operator Or Lens Colour     | Orange                            |  |
| Operator Additional Information | With grooved lens                 |  |
| Environmental Characteristic    | High ambient lighting environment |  |

# Complementary

| Cad Overall Width                     | 1.14 in (29 mm)   |  |
|---------------------------------------|---|--|
| Cad Overall Height                    | 1.14 in (29 mm)   |  |
| Cad Overall Depth                     | 1.18 in (30 mm)   |  |
| Net Weight                            | 0.06 lb(US) (0.026 kg)  |  |
| Resistance To High Pressure<br>Washer | re 1015.26 psi (7000000 Pa) 131 °F (55 °C) 0.1 m                              |  |
| Electrical Composition Code           | P1 front mounting integral LED P2 front mounting integral LED and transformer |  |
| Device Presentation                   | Basic element   |  |

#### **Environment**

| Protective Treatment                  | тн                   |
|---------------------------------------|----------------------|
| Ambient Air Temperature For Storage   | -40158 °F (-4070 °C) |
| Ambient Air Temperature For Operation | -40158 °F (-4070 °C) |
| Overvoltage Category                  | Class I IEC 60536    |

Price is "List Price" and may be subject to a trade discount – check with your local distributor or retailer for actual price.

| Ip Degree Of Protection                              | IP66 IEC 60529<br>IP67<br>IP69<br>IP69K   |
|--|---|
| Nema Degree Of Protection                            | NEMA 13<br>NEMA 4X  |
| Ik Degree Of Protection IK06 conforming to IEC 50102 |   |
| Standards  | IEC 60947-5-1<br>CSA C22.2 No 14<br>JIS C8201-5-1<br>IEC 60947-5-5<br>IEC 60947-1<br>IEC 60947-5-4<br>UL 508<br>JIS C8201-1 |
| Vibration Resistance                                 | 5 gn 2500 Hz)IEC 60068-2-6  |
| Shock Resistance                                     | 30 gn 18 ms) half sine wave acceleration IEC 60068-2-27 50 gn 11 ms) half sine wave acceleration IEC 60068-2-27             |

# Ordering and shipping details

| Category          | US10CS222468  |  |
|-------------------|---------------|--|
| Discount Schedule | 0CS2          |  |
| Gtin              | 3389110290844 |  |
| Returnability     | Yes           |  |
| Country Of Origin | FR            |  |

# **Packing Units**

| Unit Type Of Package 1         | PCE                    |
|--------------------------------|------------------------|
| Number Of Units In Package 1   | 1                      |
| Package 1 Height               | 1.10 in (2.8 cm)       |
| Package 1 Width                | 1.50 in (3.8 cm)       |
| Package 1 Length               | 1.89 in (4.8 cm)       |
| Package 1 Weight               | 0.92 oz (26.0 g)       |
| Unit Type Of Package 2         | BB1                    |
| Number Of Units In Package 2 5 |                        |
| Package 2 Height               | 1.73 in (4.4 cm)       |
| Package 2 Width                | 1.34 in (3.4 cm)       |
| Package 2 Length               | 10.43 in (26.5 cm)     |
| Package 2 Weight               | 4.80 oz (136.0 g)      |
| Unit Type Of Package 3         | S02                    |
| Number Of Units In Package 3   | 50                     |
| Package 3 Height               | 5.91 in (15.0 cm)      |
| Package 3 Width                | 11.81 in (30.0 cm)     |
| Package 3 Length               | 15.75 in (40.0 cm)     |
| Package 3 Weight               | 3.75 lb(US) (1.703 kg) |

# **Contractual warranty**

Warranty

18 months



**Green Premium<sup>TM</sup> label** is Schneider Electric's commitment to delivering products with best-inclass environmental performance. Green Premium promises compliance with the latest regulations, transparency on environmental impacts, as well as circular and low-CO<sub>2</sub> products.

**Guide to assessing product sustainability** is a white paper that clarifies global eco-label standards and how to interpret environmental declarations.

Learn more about Green Premium >

Guide to assess a product's sustainability >





Transparency RoHS/REACh

# Well-being performance

| <b>②</b> | Reach Free Of Svhc         |     |
|----------|----------------------------|-----|
|          | Toxic Heavy Metal Free     |     |
| <b>②</b> | Mercury Free               |     |
| <b>⊘</b> | Rohs Exemption Information | Yes |

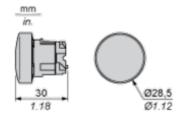
## **Certifications & Standards**

| Reach Regulation         | REACh Declaration   |
|--------------------------|---|
| Eu Rohs Directive        | Pro-active compliance (Product out of EU RoHS legal scope)  EU RoHS Declaration |
| China Rohs Regulation    | China RoHS declaration  |
| Environmental Disclosure | Product Environmental Profile   |
| Circularity Profile      | End of Life Information   |

# **ZB4BV053S**

**Dimensions Drawings** 

# **Dimensions**



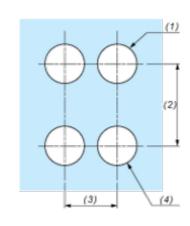
## **ZB4BV053S**

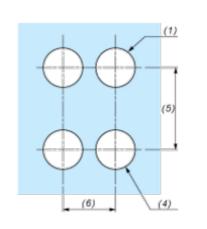
#### Mounting and Clearance

Panel Cut-out for Pushbuttons, Switches and Pilot Lights (Finished Holes, Ready for Installation)

Connection by Screw Clamp Terminals or Plug-in Connectors or on Printed Circuit Board

**Connection by Faston Connectors** 

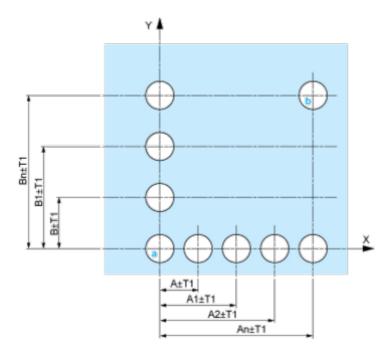




- (1) Diameter on finished panel or support
- (2) 40 mm min. / 1.57 in. min.
- (3) 30 mm min. / 1.18 in. min.
- (4) Ø 22.5 mm / 0.89 in. recommended (Ø 22.3 mm  $_0^{+0.4}$  / 0.88 in.  $_0^{+0.016}$ )
- (5) 45 mm min. / 1.78 in. min.
- (6) 32 mm min. / 1.26 in. min.

#### Pushbuttons, Switches and Pilot Lights for Printed Circuit Board Connection

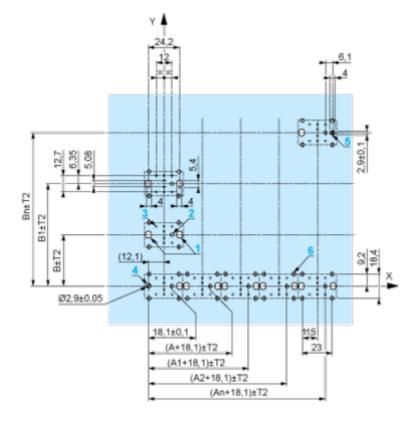
#### Panel Cut-outs (Viewed from Installer's Side)



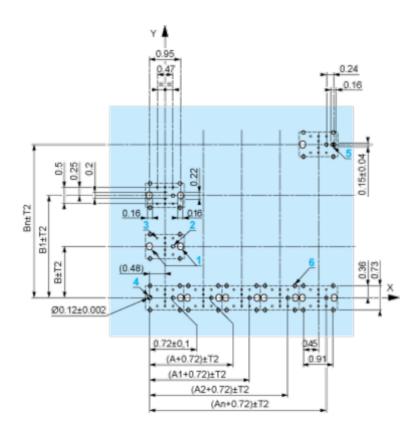
A: 30 mm min. / 1.18 in. min. B: 40 mm min. / 1.57 in. min.

#### Printed Circuit Board Cut-outs (Viewed from Electrical Block Side)

Dimensions in mm



A: 30 mm min. **B:** 40 mm min. Dimensions in in.



**A:** 1.18 in. min. **B:** 1.57 in. min.

#### General Tolerances of the Panel and Printed Circuit Board

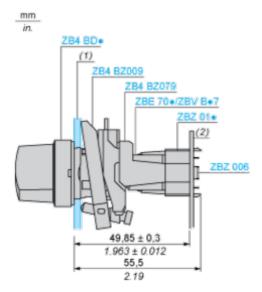
The cumulative tolerance must not exceed 0.3 mm / 0.012 in: T1 + T2 = 0.3 mm max.

## **Installation Precautions**

- Minimum thickness of circuit board: 1.6 mm / 0.06 in.
- Cut-out diameter: 22.4 mm ± 0.1 / 0.88 in. ± 0.004
- Orientation of body/fixing collar ZB4 BZ009: ± 2 30' (excluding cut-outs marked **a** and **b**).
- Tightening torque of screws ZBZ 006: 0.6 N.m (5.3 lbf.in) max.
- Allow for one ZB4 BZ079 fixing collar/pillar and its fixing screws:
  - $_{\circ}\;$  every 90 mm / 3.54 in. horizontally (X), and 120 mm / 4.72 in. vertically (Y).
  - o with each selector switch head (ZB4 BD•, ZB4 BJ•, ZB4 BG•).

The fixing centers marked **a** and **b** are diagonally opposed and must align with those marked **4** and **5**.

#### **ZB4BV053S**



- (1) Panel
- (2) Printed circuit board

#### Mounting of Adapter (Socket) ZBZ 01•

- 1 2 elongated holes for ZBZ 006 screw access
- 2 1 hole Ø 2.4 mm ± 0.05 / 0.09 in. ± 0.002 for centring adapter ZBZ 01•
- 3 8 × Ø 1.2 mm / 0.05 in. holes
- $_{ullet}$  4 1 hole Ø 2.9 mm  $\pm$  0.05 / 0.11 in.  $\pm$  0.002, for aligning the printed circuit board (with cut-out marked a)
- 5 1 elongated hole for aligning the printed circuit board (with cut-out marked b)
- 6 4 holes Ø 2.4 mm / 0.09 in. for clipping in adapter ZBZ 01•

Dimensions An + 18.1 relate to the Ø 2.4 mm  $\pm$  0.05 / 0.09 in.  $\pm$  0.002 holes for centring adapter ZBZ 01•.

# **ZB4BV053S**

**Technical Description** 

Electrical Composition Corresponding to Codes P1, P3, PF1, PR1 and PF2

Light block



# **Electrical Composition Corresponding to Codes M6 and P2**



# Legend

Single contact



Double contact



Light block



Possible location

